

Adabas Client for Java

Release Notes

Version 3.0.0

December 2024

This document applies to Adabas Client for Java Version 3.0.0 and all subsequent releases.

Specifications contained herein are subject to change and these changes will be reported in subsequent release notes or new editions.

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1 Release Notes

This document provides you with an overview of the features of Adabas Client for Java Version that have been introduced or modified since the previous release.

New Features in Version 3.0.0	New Features in Version 3.0.0
New Features in Version 2.2.2	New Features in Version 2.1.2
New Features in Version 2.2.1	New Features in Version 2.2.1
New Features in Version 2.2	New Features in Version 2.2
New Features in Version 2.1	New Features in Version 2.1
New Features in Version 2.0.1	New features added in Version 2.0.1.
New Features in Version 2.0	New features added in Version 2.0.
New Features in Version 1.1.2	New features added in Version 1.1.2.
New Features in Version 1.1	New features added in Version 1.1.
Known Restrictions	Known restrictions in this version.

2 About this Documentation

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Document Conventions

Convention	Description
Bold	Identifies elements on a screen.
Monospace font	Identifies service names and locations in the format <code>folder.subfolder.service</code> , APIs, Java classes, methods, properties.
<i>Italic</i>	Identifies: Variables for which you must supply values specific to your own situation or environment. New terms the first time they occur in the text. References to other documentation sources.
Monospace font	Identifies: Text you must type in. Messages displayed by the system. Program code.
{ }	Indicates a set of choices from which you must choose one. Type only the information inside the curly braces. Do not type the { } symbols.
	Separates two mutually exclusive choices in a syntax line. Type one of these choices. Do not type the symbol.
[]	Indicates one or more options. Type only the information inside the square brackets. Do not type the [] symbols.
...	Indicates that you can type multiple options of the same type. Type only the information. Do not type the ellipsis (...).

Online Information and Support

Product Documentation

You can find the product documentation on our documentation website at <https://documentation.softwareag.com>.

Product Training

You can find helpful product training material on our Learning Portal at <https://learn.software-ag.com>.

Tech Community

You can collaborate with Software GmbH experts on our Tech Community website at <https://tech-community.softwareag.com>. From here you can, for example:

- Browse through our vast knowledge base.
- Ask questions and find answers in our discussion forums.
- Get the latest Software GmbH news and announcements.
- Explore our communities.
- Go to our public GitHub and Docker repositories at <https://github.com/softwareag> and <https://containers.softwareag.com/products> and discover additional Software GmbH resources.

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- Search the Knowledge Center for technical information and tips.
- Subscribe to early warnings and critical alerts.
- Open and update support incidents.
- Add product feature requests.

Data Protection

Software GmbH products provide functionality with respect to processing of personal data according to the EU General Data Protection Regulation (GDPR). Where applicable, appropriate steps are documented in the respective administration documentation.

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New Features in Version 3.0.0

The primary change in the release of Adabas Client for Java Version 3.0 are bug fixes and performance optimizations. Details can be found in the readme file.

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New Features in Version 2.2.2

The primary change in the release of Adabas Client for Java Version 2.2.2 are bug fixes and performance optimizations. Details can be found in the readme file.

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New Features in Version 2.2.1

The primary change in the release of Adabas Client for Java Version 2.2.1 are bug fixes and performance optimizations. Details can be found in the readme file.

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New Features in Version 2.2

The primary change in the release of Adabas Client for Java Version 2.2 are bug fixes and performance optimizations. Details can be found in the readme file.

7

New Features in Version 2.1

The primary change in the release of Adabas Client for Java Version 2.1 are bug fixes and performance optimizations. Details can be found in the readme file.

8 New Features in Version 2.0.1

The primary change in the release of Adabas Client for Java Version 2.0.1 are bug fixes and performance optimizations. Details can be found in the readme file.

9 New Features in Version 2.0

▪ Support for z/OS CICS	20
▪ Adabas Data Designer Plugin	20
▪ API Refactoring	20
▪ RESTful Interface	20
▪ Transaction	20
▪ Fixed Problems	21

The following new features have been added to Version 2.0 of Adabas Client for Java:

Support for z/OS CICS

Adabas Client for Java now works in a z/OS CICS environment.

Adabas Data Designer Plugin

Adabas Client for Java delivers an Adabas Data Designer plugin for Eclipse.

API Refactoring

Obsolete methods have been removed and various other methods have either been merged into one method or have been set to deprecated. In addition, Natural-like methods are introduced into the Adabas Client for Java API.

RESTful Interface

The RESTful server can now insert, update and read binary large objects.

Transaction

The use of transactions has been reworked. The class `Transaction` is now obsolete. Instead, use a sequence of different `Request` classes to use transactions inside the Adabas Client for Java API. An example has been added.

Fixed Problems

Various problems have been fixed with this version of Adabas Client for Java. For details, please refer to the README file provided with the product.

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New Features in Version 1.1.2

The primary change in the release of Adabas Client for Java Version 1.1.2 are bug fixes and some minor enhancements. Details can be found in the readme.

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New Features in Version 1.1

▪ Java Conformance and Performance	26
▪ New Approach to Java Logging/Tracing	26
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The following new features have been added to Version 1.1 of Adabas Client for Java:

Java Conformance and Performance

The Adabas Client for Java programming interface has been adapted to Java conformance, and has been improved in terms of performance and usability. In addition, the search interface has been reorganized to support the enhanced search functionality. Unfortunately, this has led to some incompatibilities with Adabas Client for Java Version 1.0, which makes it necessary to recompile applications.

New Approach to Java Logging/Tracing

With Adabas Client for Java 1.1, the logging mechanism is based on the Simple Logging Facade for Java (SLF4J) framework. The framework is used in all components of Adabas Client for Java. Depending on your requirements, you can use various destination logging frameworks such as log4j, logback, jdk14 logging or simple logging to log or trace Java Client for Java. For further information on SLF4J, please refer to the web page <http://www.slf4j.org/>.

Super Descriptor/Subdescriptor Support

With Version 1.1, Adabas Client for Java is able to administrate subdescriptors and super descriptors in the Adabas Data Designer. The subdescriptors and super descriptors can now be used in search queries.

A new example program, *SuperdescriptorSearchExample*, that supports this feature is included as part of the delivery.

Mainframe EBCDIC Support

Access from Linux/Unix/Windows platforms to non-UES enabled Adabas mainframe databases has been improved.

Adabas Data Designer

Some problems that occurred during FDT creation and Adabas Client for Java Map management have been fixed. The Adabas Data Designer can now handle FDTs that contain subdescriptors and superdescriptors, as well as other specific descriptors such as phonetic or hyperdescriptors.

Adabas Client for Java maps that contain super descriptors and subdescriptor fields can also be created.

Problems fixed with this Release

A number of problems have been fixed with this Adabas Client for Java Version 1.1. For further details, please refer to the README file provided with the product.

Java Runtime 1.8

Adabas Client for Java Version 1.1 requires Java Runtime V1.8 or higher.

12 Known Restrictions

- Adabas Data Designer 30

Adabas Data Designer

In this version, it is not possible to change the long names of subdescriptors or superdescriptors in existing maps.



Note: Please note that the Adabas Data Designer is only available on Windows and Linux (Intel) platforms; other platforms can be configured with the Data Designer via Entire Net-Work.